Amendments to the Specification:

Please amend the following paragraphs.

[0046] FIG. 3 shows a complete VRT based system with one master launcher module 304 controlling the master deployment module 301 and slave launcher module 307. The system shows one master controlling one slave, but more slaves could be easily added. The master diagram blocks 301, 302, 303, 304, 305 and 306 in FIG. 3 are identical to blocks 201, 202, 203, 204, and 206 in FIG. 2 respectively. Slave launcher 307, upon receiving command ~~form~~ from master launcher 304, requests its slave deployment 309 via slave launcher synch 308 to advance slave deployment 309 by x number of ticks and to stop. The slave deployment 309 waits for slave launcher 307 to resume the process.

[0050] Master launcher 304 sends a stop-tick message to each slave launcher 307 at steps 409 and 412 that is needed to be synchronized at that tick based on slave tick synchronize size. A tick synchronize size is a smallest time step at which a slave program could synchronized with the master program without violating the causality effects between the two programs. A tick synchronize size is determined by the system designer. A stop-tick socket call is made to the candidate slave launcher 307 at step 411.